



APPLICATION

- For small to large cinemas
- Passive 2-way surround channel loudspeaker
- THX®-approved

PRODUCT INFORMATION

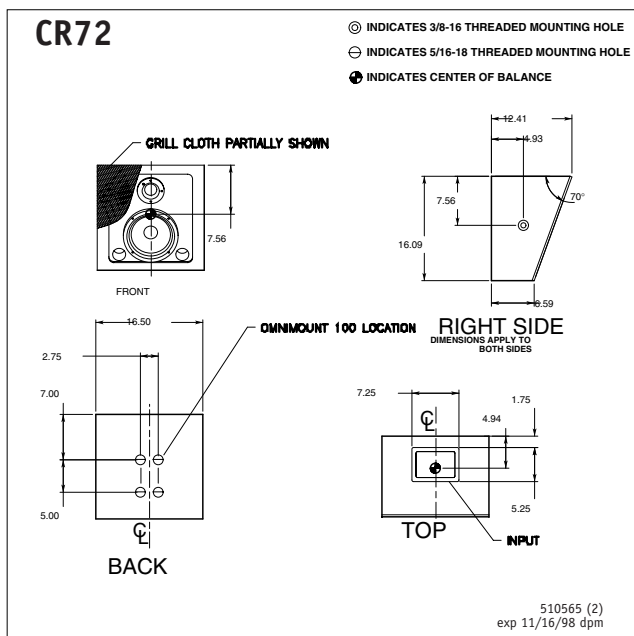
The CR72 two-way, passive, full range cinema surround loudspeaker system is engineered to reproduce today's full bandwidth digital surround tracks in smaller cinemas. It features an 8-in woofer and a 1-in dome tweeter loaded with EAW's proprietary WGP® (Wave Guide Plate®) mounted in a slanted baffle.

This system is approved by the THX division of Lucasfilm, Ltd., for use in THX-certified theaters.

The CR72 is specifically engineered to cover a larger seating area with higher quality, higher output sound than traditional cinema surrounds. With 150 Watts AES standard power handling and a 110° conical coverage pattern, it can be mounted higher than traditional surrounds. Higher placement lets the system cover a larger area "across" the room creating a larger area of stereo surround coverage than traditional surround placement. The WGP's® extra wide dispersion pattern lets CR72's be used in cinemas with low ceilings without sacrificing coverage of fringe seats.

The passive crossover/filter network included in the CR72 goes beyond merely dividing the signal and actually performs critical equalization functions. This means it will provide more detailed, more natural reproduction of any sonic event occurring in the 360° aural arena. The crossover/filter network tailors HF response to match the SMPTE/ISO 2969 response curve.

The front baffle is angled down 20° to accommodate overhead mounting. The optimally vented enclosure increases LF response while limiting driver excursion. This method produces less distortion and minimizes driver strain while extending LF response to the lowest octaves.



THX is a registered trademark of Lucasfilm, Ltd.



The input connector – a 2-terminal barrier strip that accommodates bare wire, tinned leads or spade lugs - is located on top of the enclosure. The enclosure features a textured black finish to eliminate visual intrusion of visible surrounds. For safety, the cloth grill is attached with multiple threaded fasteners.

COMPONENTS & CONSTRUCTION

The CR72 two-way, passive, full range cinema surround loudspeaker system includes one 8-in cone transducer mounted in an optimally vented enclosure and one 1-in soft dome driver coupled with a WGP®. The LF and HF sections are integrated with a complex, multicomponent passive crossover/filter network which tailors HF response to match the SMPTE/ISO 2969 response curve.

The enclosure is constructed of 3/4-in Medium Density Fiberboard (MDF). Extensive internal bracing is employed to minimize panel resonances resulting from the large acoustical energies generated within the enclosure while maximizing acoustical energy transfer into the audience area.

Input connectors, located on the top of the enclosure, are 2-terminal barrier strip, designed to accommodate bare wire, tinned leads or spade lugs. For safety, the black cloth grill is attached with multiple threaded fasteners.

DESCRIPTIVE DATA

LF Subsystem & Loading	1x 8-in Cone, Vented
HF Subsystem & Loading	1x 1-in Soft Dome Tweeter on WGP™
Number of Audio Bands	2-way
Powering Mode	Passive
System Crossover	Passive
Recommended High-Pass Frequency (24 dB/Octave)	50 Hz
Cabinet Type (shape)	Rectangular, slant baffle
Enclosure Materials	MDF
Finish	Textured Black
Connectors	2-terminal barrier strip
Suspension Hardware	(2) 3/8-16 threaded points (1 per side)
Grill	Black Cloth on plastic frame

NOMINAL DATA

Frequency Response

±3 dB	SMPTE/ISO 2969 "X" curve 66 Hz - 19 kHz
-10 dB	45 Hz

Axial Sensitivity (dB SPL, 1 Watt @ 1m)

Full Range Passive	95
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Impedance (Ohms)

Full Range Passive	8
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Power Handling, AES Standard (Watts)

Full Range AES Standard	150
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Calculated Maximum Output (dB SPL @ 1m)

Full Range Peak	122.8
Full Range Long Term	116.8

Nominal Coverage Angle/-6 dB points (degrees)

Conical	110
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Dimensions & Weights

	Inches	Centimeters
Height	16.09	40.9
Width	16.50	41.9
Depth (Top)	12.12	30.8
Depth (Bottom)	6.26	15.9

Weights

	Pounds	Kilograms
Net Weight (approx)	26	11.8
Shipping Weight (approx)	33	15.0

